

Billing Code: 3510-13

DEPARTMENT OF COMMERCE

National Institute of Standards and Technology

Synthetic Biology Standards Consortium – Planning and Progress Workshop

AGENCY: National Institute of Standards & Technology, Department of Commerce.

ACTION: Notice of public workshop.

SUMMARY: NIST announces the Synthetic Biology Standards Consortium (SBSC) – Planning and Progress Workshop to be held on Tuesday November 3, 2015 from 9:00 am – 5:00 pm Pacific time. The SBSC is a standards setting consortium focused on the shared standards development needs of consortium participants. It will provide a forum for collaborative work through the formation of technical standards-setting working groups. Working groups are organized around a clear vision of specific metrology products – standards, including reference materials; reference data; reference methods; and documentary standards – that will enable interoperability and reproducibility. At this workshop the working groups will collaboratively develop work products.

DATES: The Synthetic Biology Standards Consortium (SBSC) – Planning and Progress Workshop will be held on Tuesday, November 3, 2015 from 9:00 am – 5:00 pm Pacific Time.

ADDRESSES: The meeting will be held at the Quadrus Conference Center, 2400 Sand Hill Road, Menlo Park, CA 94025. To register, go to <http://jimb.stanford.edu/sbcs-registration>. There is no registration fee. Space is limited so please register early. For additional meeting details, including travel and parking information, visit <http://jimb.stanford.edu/sbcs-1115-workshop>.

FOR FURTHER INFORMATION CONTACT: For further information contact Matthew Munson, Sarah Munro, and Marc Salit by email at sbcs@nist.gov.

SUPPLEMENTARY INFORMATION:

A robust metrology infrastructure for the field of synthetic biology will enable coordination of labor and reuse of materials, driving economic growth. Metrology products – standards, including reference materials; reference data; reference methods; and documentary standards – can enable business-to-business transactions at scale. The intent of the NIST-hosted Synthetic Biology Standards Consortium (SBSC) is to collectively establish infrastructure to support a fully integrated global synthetic biology enterprise. NIST will provide standards development support for some consortium activities, as well as facilitation and technical leadership.

The SBSC has been convened as a standards setting consortium focused on the shared standards development needs of consortium members. It will provide a forum for collaborative work through the formation of technical standards-setting working groups. Successful working groups will be organized around a clear vision of specific metrology products that will enable interoperability and reproducibility.

Examples of metrology products include a reference material such as a standard proteome set from whole cell lysates to be used as a benchmark for mass spectroscopy; reference data such as a DNA watermark repository; a reference method for DNA sequence verification; and a documentary standard for minimum information standards for biological protocol interoperability.

The goals of the workshop are to discuss working group progress and plans with the broad consortium, develop a timeline of deliverables for metrology products to be produced by each working group, and collaboratively design and draft relevant documents.

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There is no cost for participating in the consortium or the workshop. No proprietary information will be shared at the workshop.

Authority: 15 U.S.C. § 272(b) and (c).

Richard Cavanagh,

Acting Associate Director for Laboratory Programs.

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